

STATEMENT OF WORK
TDRS Project Conference Room Update
Revision 1 – March 18, 2015~~December 4, 2014~~
PR Number: 4200535746

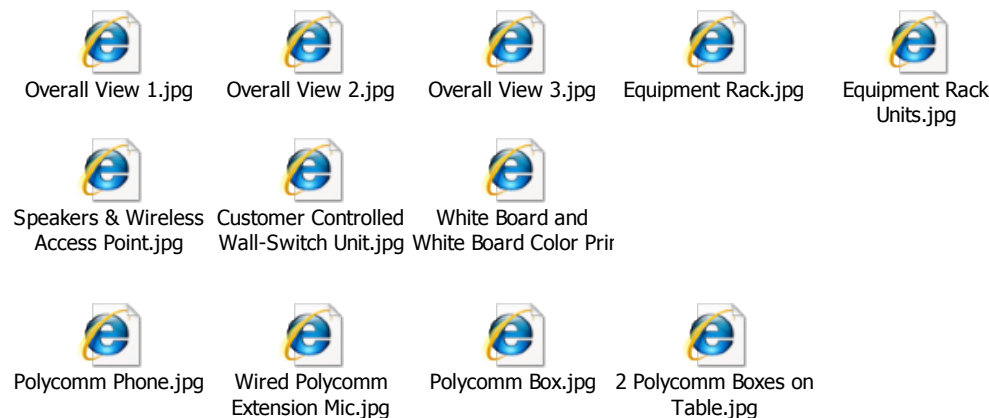
Background

The Tracking and Data Relay Satellite (TDRS) Project, Code 454.0, needs to update aging and failing audio and visual equipment in its primary conference room located in Building 12, Room E008B, of the NASA Goddard Space Flight Center.

The TDRS project conducts programmatic and technical meetings in its conference room on a daily basis using the existing presentation and teleconferencing equipment. The room is designed to accommodate a maximum of 35 occupants. The conference room is approximately 26 feet long by 20 feet wide. The existing audio and visual equipment in the TDRS conference room has reached the end of its operational life and is starting to fail.

The purpose of this effort is to obtain the services needed to de-install and dispose of select audio and visual equipment and re-install new audio and visual equipment.

The following .jpg files provide images of the TDRS project conference room as it is presently configured:



Scope

The vendor shall perform services on-site at NASA's Goddard Space Flight Center to de-install the existing audio and visual equipment, as identified below, and properly dispose of this equipment. In addition, the vendor shall perform services to identify, provide and install the new and replaced audio and visual equipment, as identified below. The vendor shall be responsible to ensure all new, replaced, and retained equipment functions as intended and works as an integrated system. This effort shall include all minor hardware and software programming and minor room modifications necessary to incorporate the new and replaced equipment safely and efficiently into the room's existing design and footprint. This effort shall also include minor cleanup and disposal efforts upon

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completion of the work, as well as testing of and customer training with all components of the new integrated system, to ensure the room is returned to a state of readiness for use as a conference room again.

New telephone equipment made available for general use shall meet the applicable standard to be compliant with Section 508 of the Rehabilitation Act. In particular, telephones shall be made compliant with 36 CFR 1194.23, Telecommunications Products. If the vendor proposes to achieve compliance through “equivalent facilitation” (see 36 CFR 1194.5) rather than through the product category standards in 36 CFR 1194.23, it shall indicate which items are compliant through that means and where full details of compliance can be found.

Requirements

A. The vendor shall remove and replace the following items of equipment in the TDRS project conference room:

1. Infocus ceiling-mounted overhead projectors (Quantity 2 Each)
2. Polycomm SoundStation 2W Telephones (Quantity 2 Each)
3. Polycomm Soundstation Wireless Control Box
4. Bose Speakers (Quantity 5 Each)
5. Equipment Rack Housing Unit with Surge Protection (Quantity 1 Each)
6. Units contained inside the equipment housing unit (Quantity 1), as follows:
 - a. 15 Amp, 115 Volt, 60 Hz Middle Atlantic Products Power
 - b. Marantz AV Surround Receiver (SR 5004)
 - c. Extron MVX series VGA/Audio Matrix Switcher
 - d. Contemporary Research Stereo TV Tuner (232-STA)
 - e. Adtran NT1 ACE⁴ Bri to S/T Converter
7. Customer Controlled Wall-Switch Unit (Quantity 1 Each)

B. The Government will retain the following items of equipment in the TDRS project conference room:

1. Motor-controlled projection screens (Quantity 2 Each)
2. Video Teleconferencing System (Quantity 1 Lot)
 - a. Pioneer large screen (~62”) monitor (Quantity 1 Each)
 - b. Tandberg Precision HD video camera (Quantity 1 Each)
 - c. Tandberg controller unit in equipment rack (Quantity 1 Each)
3. Dell Dimension 2400 Desktop Computer with HP 1730 17” Monitor (Quantity 1 Each)
4. White Board & White Board Color Printer (Quantity 2 Each)
5. All existing furnishings (e.g., Conference Table, Chairs, Pictures, Logos, etc.)

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- C. The vendor shall incorporate the following new items of equipment in the TDRS project conference room:
1. Telephone mute indicator “red/green” lights along the sides and back of the room (Quantity 3 Each)
 2. Ceiling-mounted overhead telephone microphones with full-range pickup of 360 degrees (Quantity 2 Each)
- D. The vendor shall provide to the Government’s Technical Representative a detailed list of the equipment items it intends to provide as new and replacement items for the equipment identified above to reconfirm the list provided in its original quote. The list shall include a description of each item, including manufacturer, part number and model number, as well as quantity. The vendor shall not proceed with replacing any item of equipment until the list of new and replaced items has been approved in writing by the Government’s Technical Representative. The Government will review and approve or disapprove the equipment list within 5 calendar days. In the event of disapproval, the vendor shall revise and resubmit its list within 5 calendar days.
- E. The vendor shall make minor modifications to the conference table to install two covered access ports for electrical and network wiring. The ports shall be designed to conceal wiring and provide an uncluttered appearance for the conference table top and conference room. The vendor shall also perform minor modifications to the floor or walls as needed to reasonably conceal wiring and provide a finished appearance for the conference room.
- F. The vendor shall test all components of the new integrated system and ensure functionality as intended by the manufacturers.
- G. The vendor shall be responsible for ensuring all equipment whether or not it is new, replaced, or retained functions as intended and works as one integrated system upon completion of the work.
- H. The vendor shall provide one year of customer support consisting of technical help for questions and troubleshooting, as well as preventive maintenance on the new equipment.

508 Standard

§ 1194.23 Telecommunications products.

(a) Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a

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standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.

(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.

(c) ~~Reserved. Voice mail, auto attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.~~

(d) ~~Reserved. Voice mail, messaging, auto attendant, and interactive voice response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.~~

(e) ~~Reserved. Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.~~

(f) For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.

(g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.

(h) Where a telecommunications product delivers output by an audio transducer ~~which is normally held up to the ear~~, a means for effective enhancement of audio output ~~magnetic wireless coupling to hearing technologies may~~ shall be provided.

(i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.

(j) Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.

(k) Products which have mechanically operated controls or keys, shall comply with the following:

(1) Controls and keys shall be tactilely discernible without activating the controls or keys.

(2) Controls and keys shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2 N) maximum.

(3) If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.

(4) The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.

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Equivalent Facilitation

§ 1194.5 Equivalent facilitation.

Nothing in this part is intended to prevent the use of designs or technologies as alternatives to those prescribed in this part provided they result in substantially equivalent or greater access to and use of a product for people with disabilities.

Energy Efficiency

The vendor shall ensure new and replaced equipment is energy efficient and meets U.S. electrical standards (e.g., Energy Star Program and UL listed).

Deliverables or Delivery Schedule

- The vendor shall deliver a list of all new and replaced equipment items per paragraph d, above, to the Government's Technical Representative, Ms. Lorrie L. Eakin, Code 454.0, within 5 calendar days after the effective date of this order.
- The vendor shall complete the work identified above within 30 calendar days after the effective date of this order.
- The Government will inspect all completed work within 7 calendar days upon completion of all work in accordance with the terms of the purchase order.
- The Vendor shall correct all non-conforming work in accordance with terms of the purchase order.

Government-Furnished Equipment and Government-Furnished Information

- Access to NASA GSFC Building 12, Room E008B as needed to complete the work identified above.
- Network connections, as needed
- Access NASA GSFC IT staff, as needed

Place of Performance

- NASA Goddard Space Flight Center, Building 12, Room E008B

Period of Performance

- The end date of this order shall be 90 calendar days from award.